U.S. ARMY CHEMICAL MATERIALS AGENCY

CREATING A SAFER TOMORROW

DCD Restoration Advisory Board

Tooele Chemical Agent Disposal Facility Progress

Ted Ryba

TOCDF Site Project Manager

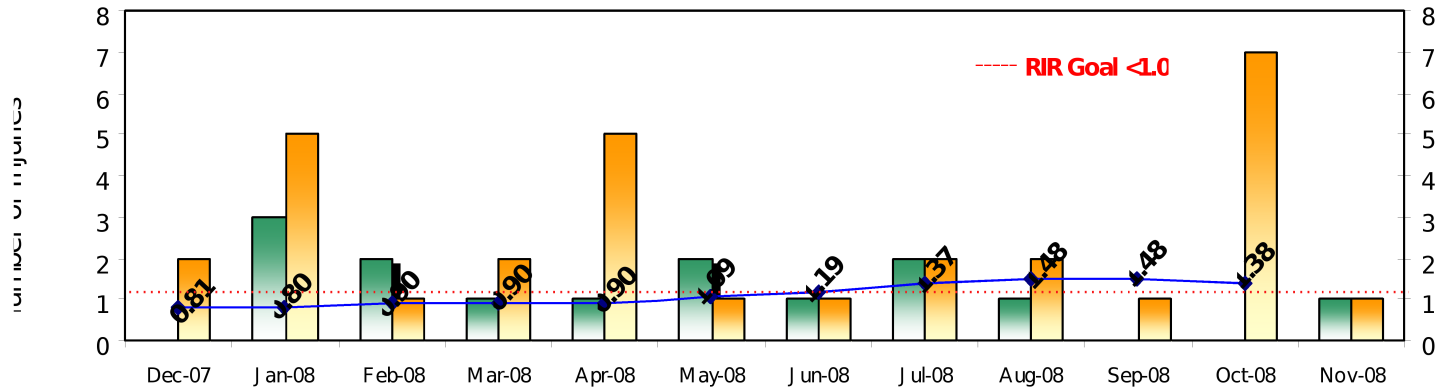
November 18, 2008

Overview

- Safe production
- Mustard campaign status
  - Challenges and solutions
- Current closure work
  - Secondary waste processing
- Path forward

Safe Production

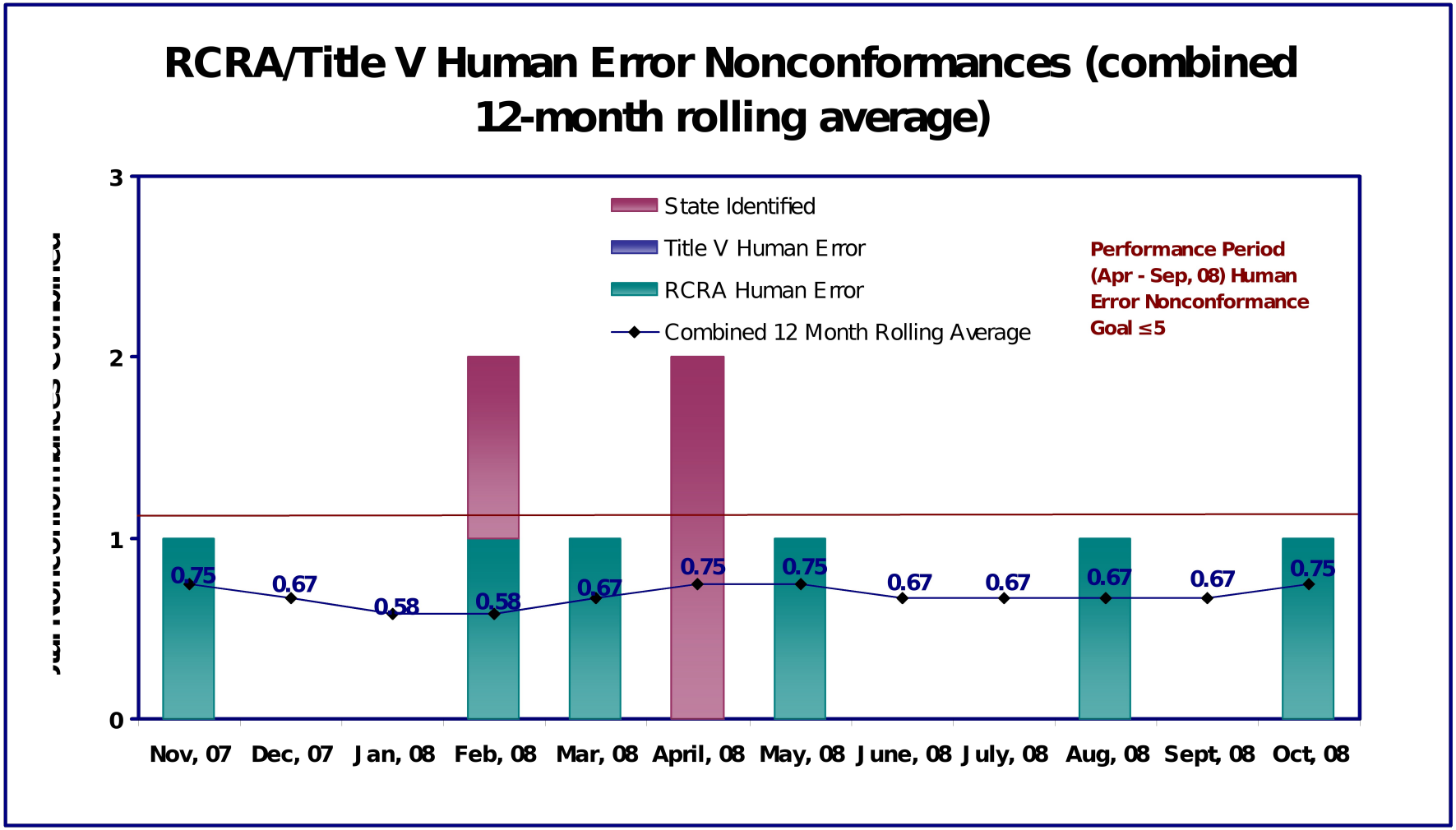
TOCDF RIR
Recordable & First Aid Injuries by Month



	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08
Recordables	0	3	2	1	1	2	1	2	1	0	0	1
First Aids	2	5	1	2	5	1	1	2	2	1	7	1
RIR	0.81	0.80	0.90	0.90	0.90	1.09	1.19	1.37	1.48	1.48	1.38	

Months

Exceeding Environmental Standards



Mustard Campaign Status

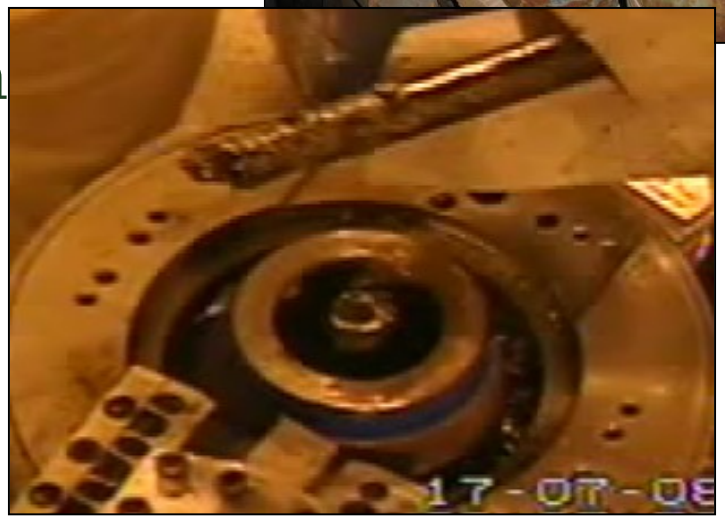
Tooele Chemical Agent Disposal Facility Mustard Processing Status *(as of Nov. 9, 2008)*	
Total number of mustard agent-filled bulk containers destroyed	**2,582**
Total number of mustard agent-filled 155mm projectiles destroyed	**54,453**
Percentage of total mustard agent stockpile destroyed	**42.31%**

Mustard Campaign Challenges and Solutions

- Heel transfer system (HTS) helps remove solidified residue or “heels” in bulk containers
  - Nearly 3,000 containers with heels
  - Heels weigh 630–1,100 pounds
  - Uses high-pressure warm water spray
    - Liquefies heel to pump from “heavy” container to empty container
    - Containers with a heel weight below 630 pounds can be processed throug the Metal Parts Furnace

Mustard Campaign Challenges and Solutions

- 155mm Projectile Processi
  - More than 54,000 destroyed
  - Nearly 200 remain
    - Internal degradation has created challenges
    - Currently evaluating alternative processin options

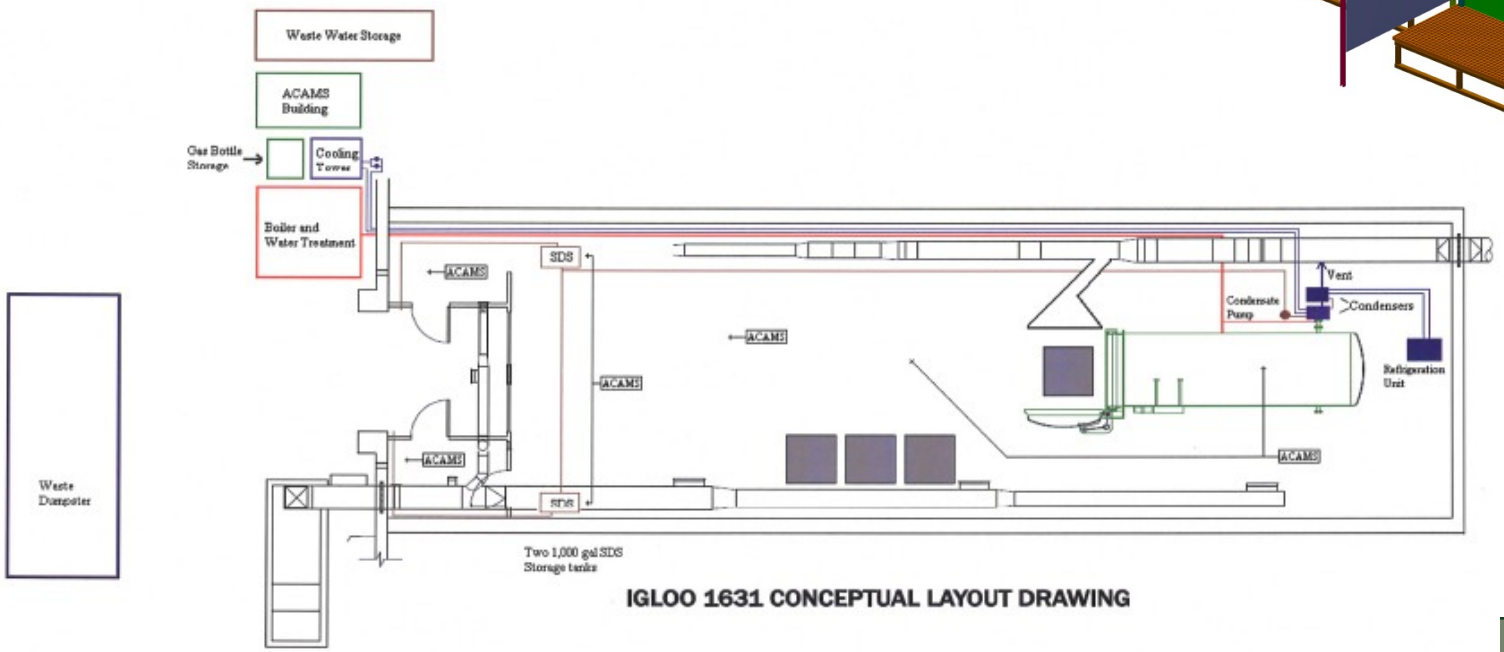


Mustard Campaign Challenges and Solutions

- Pollution Abatement System (PAS) Filtration System (PFS) construction continues
  - Three sulfur-impregnated carbon filters have been installed as an expansion of the facility's existing PAS
  - Filters will capture any Hg remaining after incineratio of mustard agent-filled bul containers and 4.2-inch mortars with elevated levels of Hg
  - Operational by early 2010

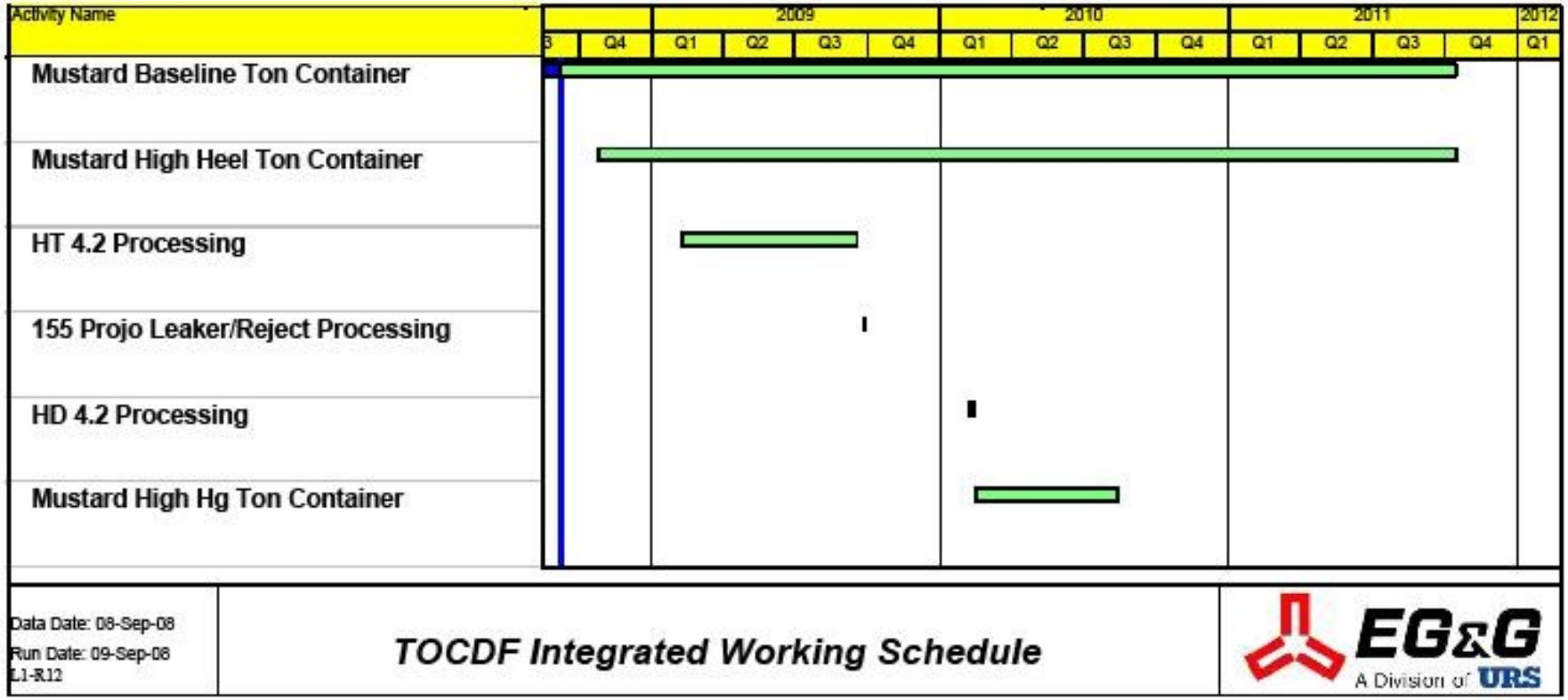
Secondary Waste Processing

- Convert former sampling igloos
- Installing Drum Ventilation System (DVS) and Autoclave for secondary waste processing



IGLOO 1631 CONCEPTUAL LAYOUT DRAWING

Mustard Campaign Path Forward



QUESTIONS?